

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917) September 1981

## SECTION I

MANUFACTURER'S NAME Koppers Co., Inc.		EMERGENCY TELEPHONE NO. 412-227-2000
ADDRESS (Number, Street, City, State, and ZIP Code) Pittsburgh, PA 15219		
CHEMICAL NAME AND SYNONYMS Acrylic Nitrocellulose		TRADE NAME AND SYNONYMS Acrylic Nitrocellulose Lacquer
CHEMICAL FAMILY Acrylic Nitrocellulose	FORMULA Mil-L-19538C C1 II	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE Nitro cellulose/Acrylic		N/A	METALLIC COATINGS		
SOLVENTS * See below			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

  

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
* N. Butyl Acetate		150PPM
Toluene		100PPM
Methyl Ethyl Ketone		200PPM
Isopropyl Alcohol		400PPM

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	175-257°F	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	Wt/Gal 8.3+/- .15
VAPOR PRESSURE (mm Hg.)		PERCENT, VOLATILE BY VOLUME (%)	75.2
VAPOR DENSITY (AIR=1)	Heavier	EVAPORATION RATE (N Butyl Act=1)	Fast
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	26°F TOC	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA Water fog, foam, dry chemical or CO <sub>2</sub> .				
SPECIAL FIRE FIGHTING PROCEDURES Use air supplied equipment for enclosed areas. Cool closed containers with water.				
UNUSUAL FIRE AND EXPLOSION HAZARDS Keep away from heat, sparks and open flames.				

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 100 PPM from solvent vapors

## EFFECTS OF OVEREXPOSURE

Irritation to eyes, nose and throat near or above 100 ppm from vapors. Higher concentrations cause drowsiness, dizziness, followed by coma. Dangerously high concentrations could cause death from explosion or from breathing.

## EMERGENCY AND FIRST AID PROCEDURES

If inhaled remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. Call a physician. In case of skin contact, wash thoroughly with soap and water; for eyes, flush immediately with plenty of water for 15 minutes and call a physician. Wash contaminated clothing before reuse. If swallowed, CALL A PHYSICIAN IMMEDIATELY. DO NOT induce vomiting.

## SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition (flames, electrical, static or frictional sparks; hot surfaces, etc.) Avoid breathing of vapors. Ventilate area. Contain and scoop up spill with non-sparking tools, rags, etc. Use inert absorbent materials on small spills or on residuals of large spills.

WASTE DISPOSAL METHOD

Dispose of in accordance with local applicable regulations.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Organic vapor canister where oxygen content is adequate and vapor concentration is less than 2% or use air supplied face masks.

VENTILATION	LOCAL EXHAUST	X	SPECIAL
	MECHANICAL (General)	X	OTHER

PROTECTIVE GLOVES Rubber Gloves EYE PROTECTION Goggles

OTHER PROTECTIVE EQUIPMENT

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep containers closed and upright to prevent leakage. Avoid flames, welding, smoking, sparks, open lights, etc. Avoid breathing of vapor or spray mist. Avoid eye and skin contact.

OTHER PRECAUTIONS

Maintain good personal hygiene. Do not use in confined areas, tank or pit without adequate ventilation.